



Our Mission

Public Works

Mission: To consistently exceed customer expectations in providing the quality public works infrastructure and services our community demands



Public Works

Administration

Capital Projects
Management

Facilities
Management

Fleet
Management

Street
Operations

Solid Waste
Management

- \$63 million operating budget
- 295 full-time staff

Proposed Projects

- Traffic Signal Controller Cabinet Upgrade and Replacement: \$9.8M
- Street Operations Maintenance Building: \$1.1M
- Solar Pool Water Heating: \$1.8M
- Expired/Quiet Pavement Replacement- \$15.4M

Traffic Signal Upgrade Scope

- Replacement of all traffic signal controller cabinets at existing signalized intersections.
- Installation of battery backup systems at 100 most critical intersections.

Traffic Signal Upgrade Benefits

- Added functionality through new technology; Signalized intersections will be “smarter”
- Improved progression and traffic flow along primary corridors
- Battery backup to ensure signal operation during power outages
- Improve air quality by reducing traffic congestion and improving efficiency at intersections

Locations of Traffic Signal Intersections



Map Date 8-23-11

0 1 2 4 Miles



Legend
• UPS
• Intersection
• Street Center

Scottsdale Traffic Signals / UPS

Example of a Traffic Signal Controller Cabinet



Maintenance Building Scope

- Purchase approximately 3 acres of land for a storage and staging area for the Street Operations Department.
- Design and construct a maintenance building for staff use

Maintenance Building Benefit

- Street Operations crews would be centrally located out of a single facility.
- Reduces the need for seasonal staging of heavy equipment in north or south areas.
- Eliminates travel time and fuel usage from crews driving large vehicles to pick up materials at various locations.
- Response time to road or flooding-related emergencies would be reduced.

Solar Water Heating Scope

- Solar heating elements at Cactus Park, McDowell Mountain Aquatic Center and Eldorado Park swimming pools
- Includes 60,000 square feet of new ramadas and parking canopy structures

Solar Water Heating Benefit

- Savings of \$101,000 per year; 40% reduction of existing gas bill
- Leverages APS and SRP rebates
- Project payback from 6 to 8 years
- Clean Energy
 - 5.96 billion BTU's annual production
 - SWH is 75% efficiency vs. 16% for Photovoltaic system

Expired/Quiet Pavement Replacement

- Remove expired asphalt road surface course in south and central Scottsdale
- Include downtown, local and major streets
- Replace with quieter rubberized asphalt pavement
- Average pavement lifecycle- 15 years